CLAIMS

* * T	rat .		•	•		•
- \ \ \ /	hat	10	0	laim	ρd	10.
* *	mat	13		ann	···	LO.

1	1.	An apparatus comprising:				
2		a fork having a void near its bottom end and having a suspension axis;				
3		a first trail adjustment block adapted to mate with the void of the fork, and including an				
4	axle	mounting hole for retaining an axle at a first position with respect to the suspension axis				
5	whe	n the first trail adjustment block is mated with the void of the fork; and				
6		a second trail adjustment block adapted to mate with the void of the fork, and including				
7	an a	an axle mounting hole for retaining the axle at a second position with respect to the suspension				
8	axis	when the second trail adjustment block is mated with the void of the fork;				
9		whereby a trail position of the axle can be altered by swapping the first and second trail				
10	adjustment blocks.					
i	2.	The apparatus of claim 1 further comprising:				
2		a third trail adjustment block adapted to mate with the void of the fork, and including an				
3	axle mounting hole for retaining the axle at a third position with respect to the suspension axis					
4	whe	n the third trail adjustment block is mated with the void of the fork.				
1	3.	The apparatus of claim 1 wherein:				
2		the void of the fork includes an upper surface and a lower surface which are parallel; and				
3	•	the trail adjustment blocks each has an upper surface and a lower surface which are				
4	para	llel.				
1	4.	The apparatus of claim 1 wherein:				
2		the trail adjustment blocks each includes a pinch split.				
1	5.	The apparatus of claim 1 wherein:				
2		the trail adjustment blocks each includes one of a groove and a ridge; and				
3		the fork includes the other of the groove and the ridge;				
4		wherein the groove and the ridge are configured to provide lateral alignment of the trail				
5	adju	stment block and the fork.				

1	6.	The apparatus of claim 1 wherein:			
2		the fork includes a telescoping fork including an upper fork tube and a lower fork tube,			
3	and a	a fork lower;			
4		wherein the fork lower includes the void.			
1	7.	The apparatus of claim 1 wherein:			
2 [.]		the fork includes means for mounting a brake caliper; and			
3		the apparatus further includes two brake caliper mounts, of different lengths			
4	corre	sponding to a distance from the first position and the second position of the axle;			
5		whereby the brake caliper can be moved to maintain a constant radial distance from the			
6	axle,	xle, when swapping between the first and second trail adjustment blocks.			
1	8.	The apparatus of claim 7 wherein:			
2		the first brake caliper mount comprises a first post and a second post coupled to a body			
3	having a first length; and				
4		the second brake caliper mount comprises a first post and a second post coupled to a body			
5	havii	ng a second length.			
1	9.	The apparatus of claim 8 wherein:			
2		the first post and the second post of each of the brake caliper mounts are substantially at			
3	right	right angles to each other.			
1	10.	The apparatus of claim 9 wherein:			
2		the brake caliper mounts are rotatably coupled to the fork, whereby the brake caliper can			
3	be sv	be swung to a side to facilitate mounting a wheel to the axle without removing the brake caliper			
4	from	the fork.			
1	11.	A vehicle comprising:			
2		a frame including a steering tube having a steering axis;			
3		a pair of sliding-tube forks;			
4		a pair of triple clamps rotatably coupling the forks to the steering tube;			
5		an axle			

Page 9

Attorney Docket: MCZ004

6		a wheel rotatably coupled to the axle; and			
7	at least two alternate pairs of trail adjustment blocks, each pair providing a different				
8	amount of trail of the wheel with respect to the steering axis;				
9	wherein the forks and the trail adjustment blocks are configured to be coupled together,				
0	whereby the axle is coupled to the forks by one respective pair of trail adjustment blocks at a				
1	time.				
1	12.	The vehicle of claim 11 wherein:			
2		the forks include fork lowers which are adapted to mate with the trail adjustment blocks.			
1	13.	The vehicle of claim 11 wherein, when the vehicle is on the ground:			
2	mating surfaces of the forks and the trail adjustment blocks are substantially parallel wi				
3	the ground;				
4	•	whereby swapping pairs of trail adjustment blocks does not substantially alter ride height			
5	of the	vehicle.			
1	14.	The vehicle of claim 11 wherein:			
2		the forks and the trail adjustment blocks include means for axially positioning the trail			
3	adjust	ment blocks with respect to the forks and the axle.			
1	15.	The vehicle of claim 11 wherein:			
2		the trail adjustment blocks are pinch mounted to the axle.			
1	16.	The vehicle of claim 11 wherein the vehicle comprises a motorcycle.			
1	17.	The vehicle of claim 11 wherein the vehicle comprises a bicycle.			
2	18.	An apparatus comprising:			
3		a fork including means for mounting a wheel assembly on an axle;			
4		a brake caliper;			
5	,	at least one pivoting caliper mount pivotably coupling the brake caliper to the fork;			
6		whereby the brake caliper can be swung to a side to facilitate installation of the wheel			
7	assem	bly to the means for mounting.			

Page 10

Attorney Docket: MCZ004

1	19.	The apparatus of claim 18 wherein the caliper mount includes:		
2		a body;		
3		a first cylindrical post extending from the body and adapted to rotatably engage the fork;		
4		a second cylindrical post extending from the body and adapted to couple to the brake		
5	calip	er.		
1	20.	The apparatus of claim 19 wherein:		
2		the first and second cylindrical posts are at a substantially 90degree angle to each other.		
1	21.	The apparatus of claim 20 wherein:		
2		the at least one pivoting caliper mount includes a pair of caliper mounts having their first		
3	cylin	drical posts coaxially aligned when coupled to the fork.		
1	22.	The apparatus of claim 18 wherein the fork comprises:		
2		an upper fork tube;		
3		a lower fork tube slidably coupled to the upper fork tube; and		
4		a fork lower coupled to the lower fork tube and including the means for mounting.		
1	23.	A vehicle comprising:		
2		a frame including a steering tube;		
3		a front suspension coupled to the steering tube;		
4		a front axle coupled to the front suspension;		
5		a wheel coupled to the front axle;		
6		at least one brake rotor coupled to the front wheel;		
7		at least one brake caliper; and		
8		means for rotatably coupling the brake caliper to the front suspension;		
9		whereby the brake caliper can be pivoted aside when not engaged with its corresponding		
0	brake	e rotor.		
1	24.	The vehicle of claim 23 wherein:		
2		the means for rotatably coupling comprises at least one caliper mount each including,		
3		a body.		

4		a cylindrical first post extending from the body,	
5		a cylindrical second post extending from the body at a substantially 90degree	
6		angle with respect to the cylindrical first post; and	
7	the front suspension includes at least one hole adapted to rotatably mate with the		
8	cylindrical first post of a corresponding caliper mount.		
1	25.	The vehicle of claim 24 wherein:	
2		the means for rotatably coupling comprises two caliper mounts; and	
3		the front suspension includes two coaxial holes adapted to rotatably mate with the	
4	cylin	drical first posts of the two caliper mounts.	
1	26.	The vehicle of claim 23 wherein the vehicle comprises a motorcycle.	
1	27.	The vehicle of claim 23 wherein the vehicle comprises a bicycle.	